

**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

Docket Number (Optional)  
**SHC0155**

Application Number  
**Unknown**

Applicant(s)  
**Hisashi Takai et al.**

Filing Date  
**Herewith**

Group Art Unit  
**Unknown**

1046 U.S. PTO  
10/013984  
10/30/01

**U.S. PATENT DOCUMENTS**

| EXAMINER<br>INITIAL | REF | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRI-<br>ATE |
|---------------------|-----|-----------------|------|------|-------|----------|------------------------------------|
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**FOREIGN PATENT DOCUMENTS**

|    | REF | DOCUMENT NUMBER | DATE     | COUNTRY | CLASS         | SUBCLASS | Translation |    |
|----|-----|-----------------|----------|---------|---------------|----------|-------------|----|
|    |     |                 |          |         |               |          | YES         | NO |
| 50 |     | 61-176346       | 8/8/86   | Japan   | Drawings Only |          |             |    |
| 80 |     | 63-243360       | 10/11/88 | Japan   | Drawings Only |          |             |    |
|    |     |                 |          |         |               |          |             |    |
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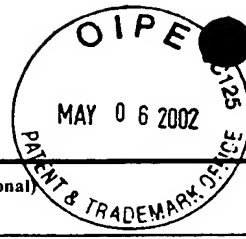
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| <b>INFORMATION DISCLOSURE CITATION</b><br><i>(Use several sheets if necessary)</i> | Docket Number (Optional)<br><b>SHC0155</b>  | Application Number<br><b>10/013,984</b> |
|  | Applicant(s)<br><b>Hisashi Takai et al.</b> |   |
|  | Filing Date<br><b>October 30, 2001</b>      | Group Art Unit<br><b>3761</b>           |

U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | REF | DOCUMENT NUMBER | DATE     | NAME             | CLASS | SUBCLASS | FILING DATE<br>IF<br>APPROPRIATE |
|---------------------|-----|-----------------|----------|------------------|-------|----------|----------------------------------|
| SW                  |     | 4741941         | 5/3/88   | Englebert et al. |       |          |                                  |
| SW                  |     | 5824352         | 10/20/98 | Yang et al.      |       |          |                                  |
| SW                  |     | 5897543         | 4/27/99  | Francis          |       |          |                                  |
| SW                  |     | 6048600         | 4/11/00  | Hansson          |       |          |                                  |
|                     |     |                 |          |                  |       |          |                                  |
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FOREIGN PATENT DOCUMENTS

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|----|-----|-----------------|---------|---------|-------|----------|-------------|----|
|    |     |                 |         |         |       |          | YES         | NO |
| SW |     | EP 0 995 414 A1 | 4/26/00 | Europe  |       |          |             |    |
| SW |     | EP 0 025 826 A2 | 8/9/00  | Europe  |       |          |             |    |
| SW |     | EP 1 121 916 A2 | 8/8/01  | Europe  |       |          |             |    |
| SW |     | WO 94/20054     | 9/15/94 | PCT     |       |          |             |    |
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| SW |  | European search report mailed March 21, 2002. |
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| EXAMINER<br><b>Jamiesue A Webb</b> | DATE CONSIDERED<br><b>6/2/03</b> |
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